

In the claims:

Please substitute the following amended claims for the pending claims with the same numbers:

1 12. (Once Amended) A method of identifying pixels inside a graphics primitive of a  
2 raster image, comprising the steps of:  
3       (a) determining whether a polygonal portion of the raster image is at least partly  
4 inside the graphics primitive by using a coordinate reference frame located at a geometric  
5 center of the polygonal portion;  
6       (b) dividing the polygonal portion of the raster image into a predetermined  
7 number of polygonal subportions if the polygonal portion of the raster image is at least  
8 partly inside the graphics primitive;  
9       (c) determining whether each polygonal subportion of the raster image is at least  
10 partly inside the graphics primitive; and  
11       (d) further dividing the polygonal subportion into a predetermined number of  
12 polygonal subportions if the polygonal subportion is at least partly inside the graphics  
13 primitive and is larger than a pixel.

1 14. (Once Amended) The method of claim 12, wherein the determining step (a)  
2 further comprises the step of receiving a plurality of values for corner vertices of the  
3 polygonal portion and arithmetic edge functions, each of the arithmetic edge functions  
4 corresponding to an edge of the graphics primitive.

1 20. (Once Amended) An electronically-readable medium having embodied thereon a  
2 program, the program being executable by a machine to perform method steps for  
3 identifying pixels inside graphics primitives of a raster image, the method steps  
4 comprising:

5 (a) determining whether a polygonal portion of the raster image is at least partly  
6 inside the graphics primitive by using a coordinate reference frame located at a geometric  
7 center of the polygonal portion;

8 (b) dividing the polygonal portion into a predetermined number of polygonal  
9 subportions if the polygonal portion is at least partly inside the graphics primitive;

10 (c) determining whether the polygonal subportion is at least partly inside the  
11 graphics primitive for each polygonal subportion; and

12 (d) dividing the polygonal subportion into a predetermined number of polygonal  
13 subportions if the polygonal subportion is at least partly inside the graphics primitive and  
14 the polygonal subportion is larger than a pixel.

1 22. (Once Amended) A method of identifying pixels inside a graphics primitive of a  
2 raster image comprising the steps of:  
3 selecting a tile including a pixel;  
4 defining a coordinate reference frame located at a geometric center of the tile;  
5 determining if a portion of the tile is within the graphics primitive;  
6 dividing the tile into subtiles if a portion of the tile is within the graphics  
7 primitive; and  
8 recursively dividing each subtile having a portion within the graphics primitive  
9 until the subtile is equal in size to a pixel.

1 26. (Once Amended) An electronically-readable medium having embodied thereon a  
2 program, the program being executable by a machine to perform method steps for  
3 identifying pixels inside graphics primitives of a raster image, the method steps  
4 comprising:

5       selecting a tile including pixels;  
6       defining a coordinate reference frame located at a geometric center of the tile;  
7       determining if a portion of the tile is within the graphics primitive;  
8       dividing the tile into subtiles if a portion of the tile is within the graphics  
9 primitive; and  
10       recursively dividing each subtile having a portion within the graphics primitive  
11       until the subtile is equal in size to a pixel.